

## SUPPLEMENTARY MACHINE SERVICE BULLETIN #40-F

SUBJECT: Explanation of adjustments KAA Models 1 and 2 series.

DATE: April 16, 1927.

## TO ALL OFFICES:

If a #7, 8, or 9 multiplier key is operated and held depressed, and the machine multiplies more times than the depressed key indicates. When pressure on key is released it restores at once and machine stops.

## Cause:

The rack 1245 (Plate 45) hangs on the depressed key 1246 (Plate 46) and prevents the shutter box 13-30 (Plate 45) from returning to neutral position, and the trip lifter 1321 is not unlatched from the trip lifter latch 1308 (Plate 44).

## Explanation:

As the rack 1245 is advanced the spring 1012 (Plate 45) is tensioned. The farther the rack 1245 advances, the more tensioned the spring 1012 will be. When the rack 1245 leaves the notch in the key 1246 the rear edge of the land on the rack 1245 will strike the depressed key, and create a friction between the rack and the key which may be just enough to prevent the shutter box 13-30 from assuming neutral position.

## Remedy:

First see that there is no burr on the key stem 1246, or on the rear edge of the lands of the rack 1245. Stone them if necessary. If this does not help strengthen the two 1014 springs as previously explained in Supplementary Machine Service Bulletin No. 40-C.



FMS:H

General Service Manager.



Mr. R. W. Suddard,  
Toledo, Ohio.

SUPPLEMENTARY MACHINE SERVICE BULLETIN 440-B

SUBJECT: Explanation of ad-  
justments KAA Models 1 and  
2 series.

DATE: April 16, 1937.

TO ALL OFFICES:

If a 47, 8, or 9 multiplier key is operated and held de-  
pressed, and the machine multiplies more times than the  
depressed key indicates. When pressure on key is released  
it restores at once and machine stops.

Cause:

The rack 1245 (Plate 45) bangs on the depressed key 1246  
(Plate 46) and prevents the shutter box 13-30 (Plate 48)  
from returning to neutral position, and the trip lifter  
1231 is not unlatched from the trip lifter latch 1208  
(Plate 44).

Explanation:

As the rack 1245 is advanced the spring 1012 (Plate 45)  
is tensioned. The farther the rack 1245 advances, the  
more tensioned the spring 1012 will be. When the rack  
1245 leaves the notch in the key 1246 the rear edge of  
the lead on the rack 1245 will strike the depressed key,  
and create a friction between the rack and the key which  
may be just enough to prevent the shutter box 13-30 from  
assuming neutral position.

Remedy:

First note that there is no burr on the key stem 1246, or  
on the rear edge of the leads on the rack 1245. Grind them  
if necessary. If this does not help strengthen the two  
1014 springs as previously explained in Supplementary  
Machine Service Bulletin No. 40-C.

General Service Manager.

WMS:H